

FIG. 1

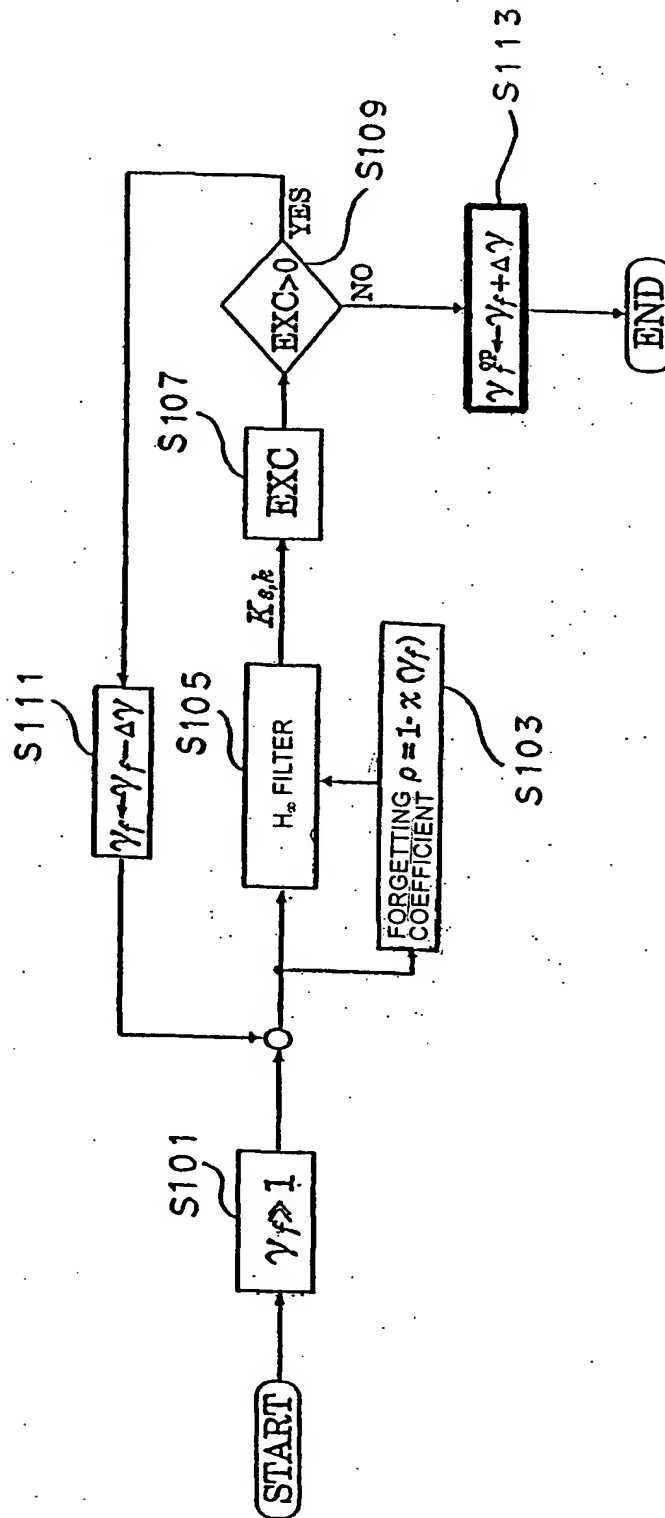


FIG. 2

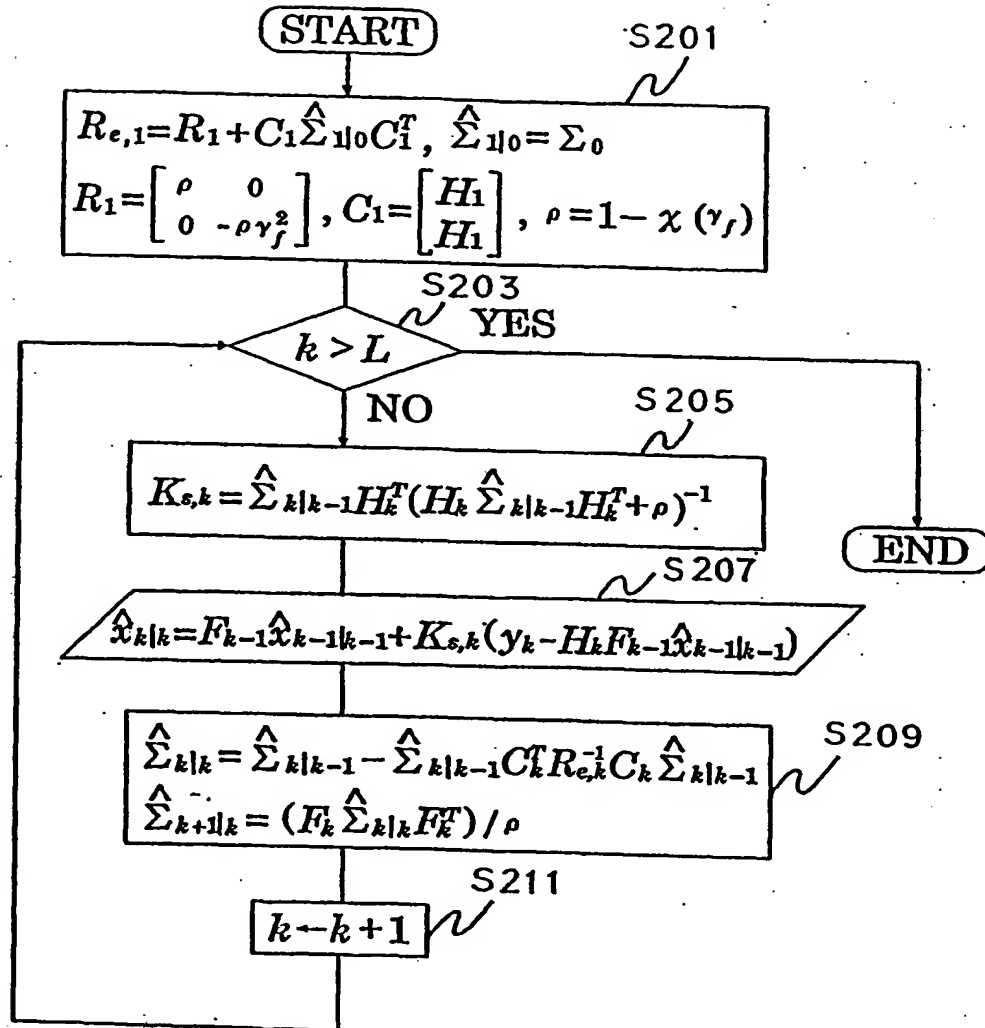


FIG. 3

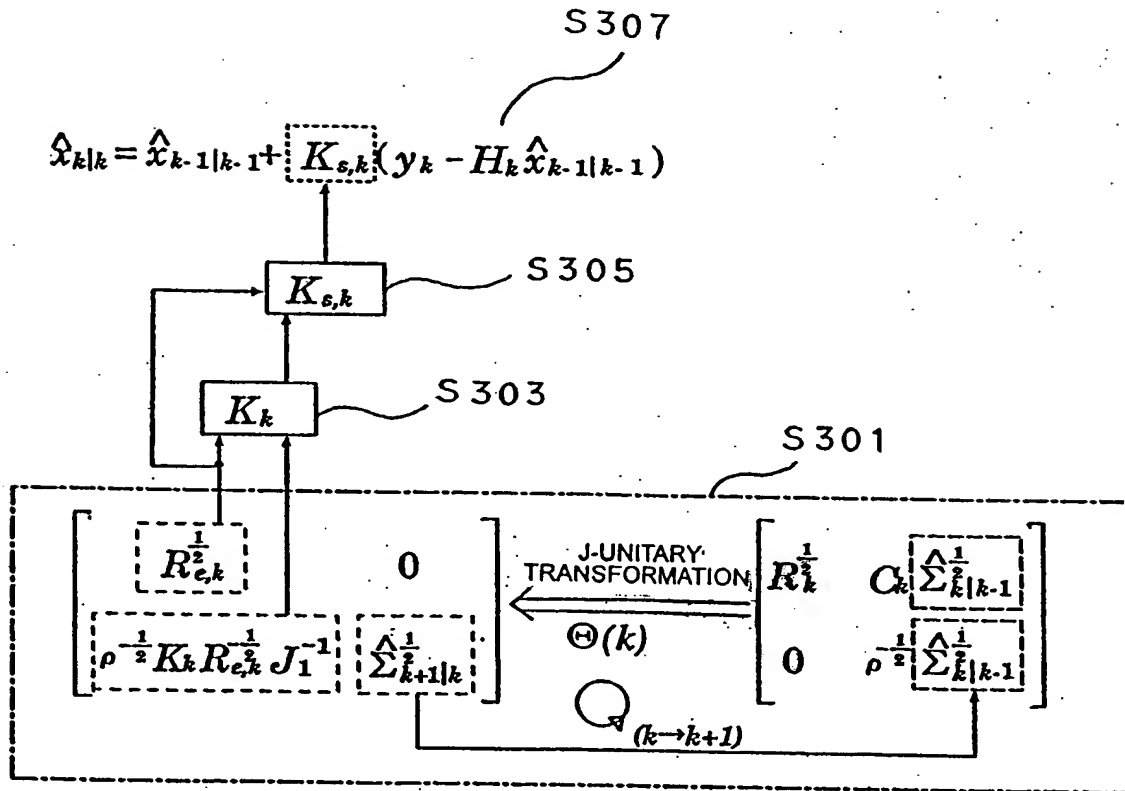
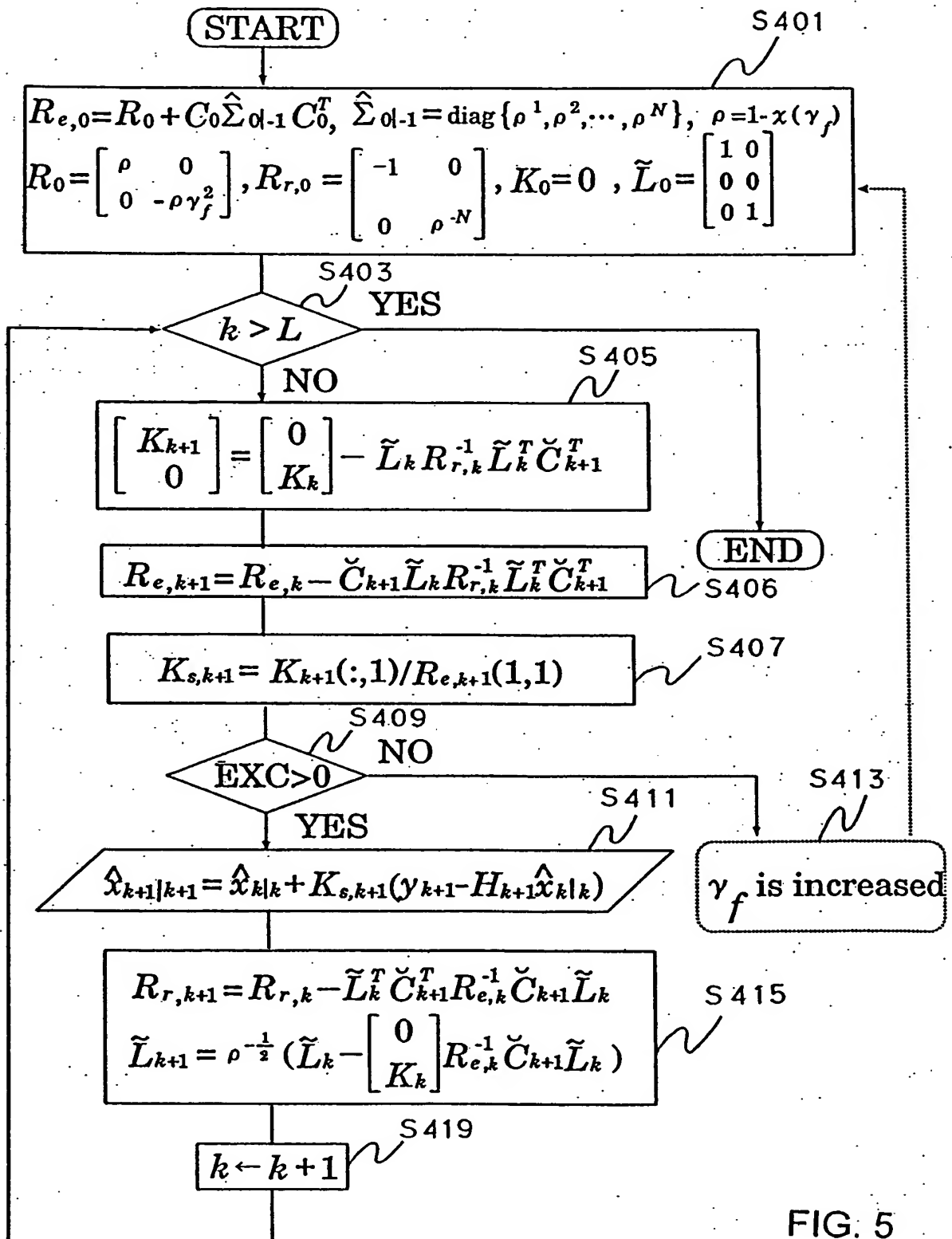


FIG. 4

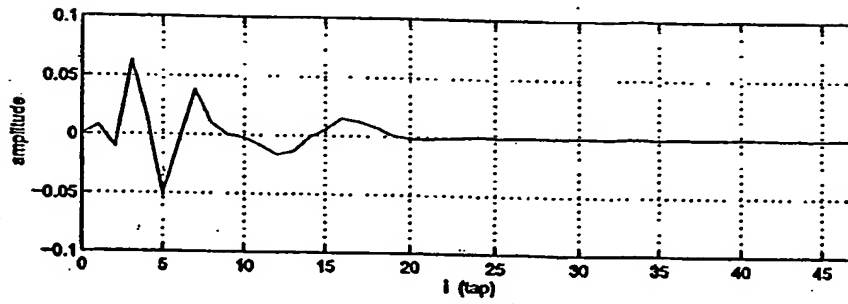


IMPULSE RESPONSE OF ECHO PATH

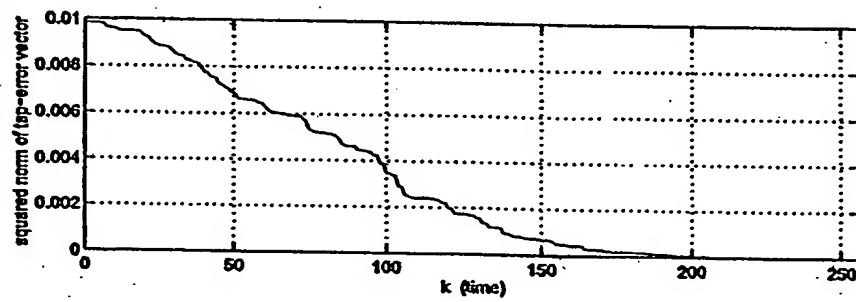
h_0	h_1	h_2	h_3	h_4	h_5
0.0	0.008	-0.012	0.064	0.013	-0.052
h_6	h_7	h_8	h_9	h_{10}	h_{11}
-0.007	0.039	0.011	0.0	-0.002	-0.009
h_{12}	h_{13}	h_{14}	h_{15}	h_{16}	h_{17}
-0.016	-0.013	-0.001	0.004	0.015	0.013
h_{18}	h_{19}	h_{20}	h_{21}	h_{22}	h_{23}
0.007	0.0	-0.001	-0.002	-0.001	0.0

FIG. 6

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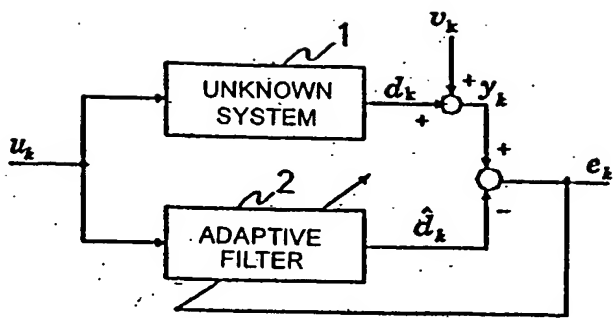


(a) ESTIMATED VALUE OF IMPULSE RESPONSE

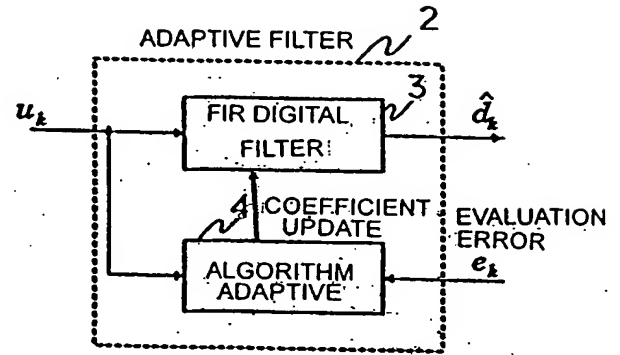


(b) TRANSITION OF TAP ERROR

FIG. 7



(a) OUTPUT ERROR SYSTEM



(b) STRUCTURE OF ADAPTIVE FILTER

FIG. 8

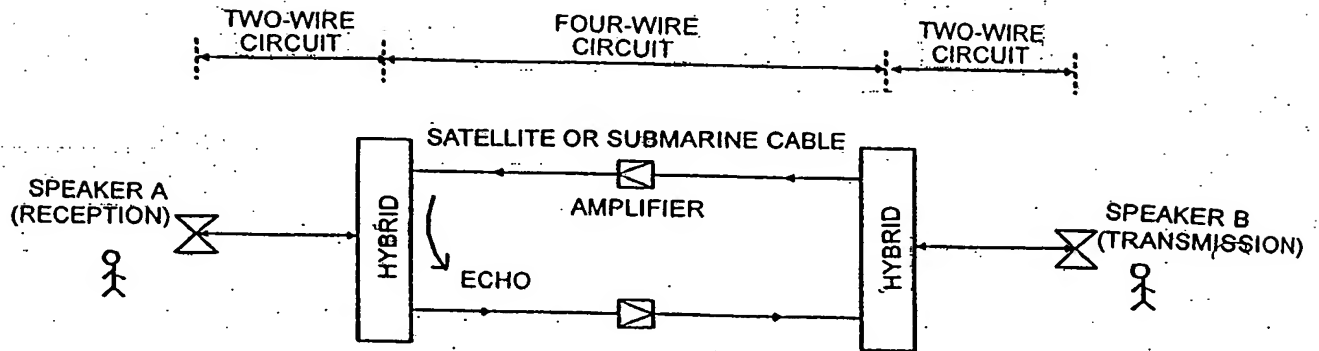


FIG. 9

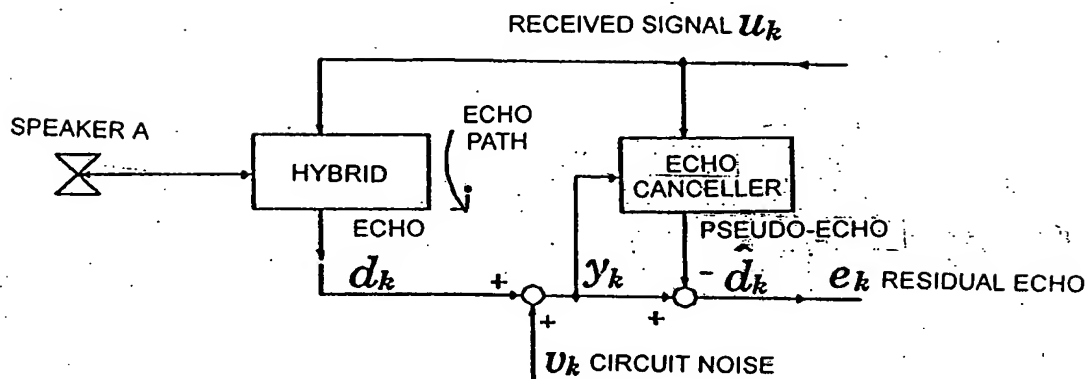


FIG. 10